



Solar Inverters



We offer you the right device for each application:
for all module types, for grid-connection and feeding into stand-alone grids,
for small house systems and commercial systems in the Megawatt range.



SUNNY BOY 3.0 / 5.0 including SMA SMART CONNECTED



SMA Smart Connected

- Investment security included
- Automatic monitoring by SMA
- Proactive information and automatic service

Everything at a Glance

- Free online monitoring
- PV system data viewable via smartphone

Easy to Use

- Safe plug and play installation
- Commissioning via smartphone or tablet
- WLAN and intuitive webserver

Future-Proof

- SMA storage solutions, intelligent energy management and Smart module technology can be added at any time
- Dynamic feed-in control

More than just an inverter. Smaller, simpler and more convenient with SMA Smart Connected

The Sunny Boy is ideally suited to solar power generation in private homes. Thanks to its extremely light design and location of the external connections, the device can be quickly installed and easily commissioned thanks to the intuitive webserver. Current communication standards mean that intelligent energy management solutions as well as SMA storage solutions can be flexibly added to the inverter at any time.

The automatic inverter monitoring by SMA analyzes operation, reports irregularities and thus minimizes downtime.



SUNNY TRIPOWER 6000TL / 10000TL

Economical

- Maximum efficiency of 98.3 %
- Shade management with OptiTrac Global Peak
- Active temperature management with OptiCool

Communicative

- SMA Webconnect
- Sunny Portal communication
- SMA and SunSpec Modbus communication
- Simple country configuration
- Multifunction relay comes standard

Flexible

- DC input voltage of up to 1,000V
- Integrated grid management functions
- Reactive power supply
- Module-tailored system design with Optiflex

Easy-to-Use

- Three-phase feed-in
- Cable connection without tools
- SUNCLIX DC plug-in system
- Integrated ESS (Electronic Solar Switch)
- Easy wall mounting

The Three-Phase Inverter – Not Only for Your Home...

...but also perfectly suited to the design of the traditional residential PV system up to the higher power outage range. Highly flexible with its proven Optiflex technology and asymmetrical multistring, it delivers maximum yields with a top efficiency rating and OptiTrac Global Peak.

In addition to SMA and Sunspec Modbus communication, it also comes standard with a direct Sunny Portal connection via SMA webconnect. Other standard features include integrated grid management functions, reactive power supply and suitability for operation with a 30 mA RCD. In summary, when it comes to system design in the 5 kW to 12 kW power classes, the Sunny Tripower is the optimum product solution – for applications ranging from use in your own home and larger PV rooftop systems to implementation of smaller-scale PV farms.



Sunny Tripower 15000TL / 20000TL / 25000TL

Efficient

- Maximum efficiency of 98.4%

Safe

- DC surge arrester (SPD type II) can be integrated

Flexible

- DC input voltage of up to 1000 V
- Multistring capability for optimum system design
- Optional display

Innovative

- Cutting-edge grid management functions with Integrated Plant Control
- Reactive power available 24/7 (Q on Demand 24/7)

The versatile specialist for large-scale commercial plants and solar power plants

The Sunny Tripower is the ideal inverter for large-scale commercial and industrial plants. Not only does it deliver extraordinary high yields with an efficiency of 98.4%, but it also offers enormous design flexibility and compatibility with many PV modules thanks to its multistring capabilities and wide input voltage range. The future is now: the Sunny Tripower comes with cutting-edge grid management functions such as Integrated Plant Control, which allows the inverter to regulate reactive power at the point of common coupling. Separate controllers are no longer needed, lowering system costs. Another new feature - reactive power provision on demand (Q on Demand 24/7).



SUNNY TRIPOWER CORE1

The **Sunny Tripower CORE1** is the world's first free-standing string inverter for decentralized roof- and ground mount PV systems as well as covered parking spaces. The groundbreaking new design allows increases in installation speed of up to 60 % and, at the same time, lowers the total cost of ownership (OPEX)

Scalability for maximum energy yields

With a capacity of 50 kW, the Sunny Tripower CORE1 is scalable up to the megawatt range.

Consistently integrated concept

The innovative, fully integrated design of the CORE1 takes care of low BoS costs, simpler processes and lower material expenses.

Efficient and economical

The CORE1 can be installed directly onto a roof without additional mounting racks. There are additional savings from the considerably lower expenditure on logistics, installation and materials.

Opticool™ Active Cooling System

SMA's intelligent OptiCool™ cooling system is reliable and ensures maximum energy production, even in challenging conditions.

Fast, easy communication

The integrated WLAN interface makes easy and efficient access to CORE1 possible with any mobile device.

Seamless grid integration

Thanks to cutting-edge grid management, SunSpec ModBus® compatibility and optional 24/7 remote monitoring, CORE1 offers high-performance PV system monitoring and control functions.

